

Ecotox Report for Case # P-18-0054

General

CBI: [REDACTED]	Report Status: Complete
Status 11/21/2018	CRSS Date: 12/04/2017
Date:	
SAT Date: 12/05/2017	SAT T.
	Chair: Behrsing
Consolidated N	Consolidated Set:
PMN:	
Ecotox	
Related Cases:	
Health Related	
Cases:	
Submitter: [REDACTED]	
CAS Number: [REDACTED]	
Chemical	
Name: [REDACTED]	
Use: [REDACTED]	
	Polymer Exemption case (E1). All analogs are
Trade Name: [REDACTED]	
PV-max(kg/yr): [REDACTED]	Ecotox Assessor: Muneer, Alie

Fate Summary Statement

Fate P-18-0054
Summary
Statement: FATE: [REDACTED]
Solid
S =
Negl.
VP < 1.0E-6 torr at 25 °C (E)
BP > 400 °C (E)
H
< 1.00E-8 (E)
POTW removal (%) = 90 via sorption
Time for

complete ultimate aerobic biodeg > mo
Sorption to soils/sediments =
v.strong
PBT Potential: P3B1
*CEB FATE: Migration to ground water
= negl

Physical Chemical Information

Molecular Weight:	██████████	
Wt% < 500:	██████████	Wt% < 1000: ██████████
Physical State - Neat:	Solid (est)	
Melting Point:		Melting Point (est):
MP (EPI):		
Vapor Pressure:		Vapor Pressure (est): <0.000001
VP (EPI):		
Water Solubility:		Water Solubility (est): <0.000001
Water Solubility (EPI):		
Henry's Law::		
Log Koc:		Log Koc (EPI):
Log Kow:		Log Kow (EPI):
Log Kow Comment:		

SAT Concern Level

Ecotox Rating (1):	1
Ecotox Rating Comment (1):	
Ecotox Rating (2):	
Ecotox Rating Comment (2):	
Ecotox Route of Exposure:	No releases to water

Ecotox Comments

Exposure N Based Review (Eco): Ecotox Comments: Exposure Based Testing:
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PBT Ratings

Persistence	Bioaccumulation	Toxicity	Comments
3	1	2	

Eco-Toxicity Comment:

Fate Ratings

Removal ⁹⁰ in WWT/POTW (Overall): Condition	Rating Values	1	2	3	4	Comment
Fish BCF:						
Log Fish BCF:						
WWT/POTW Sorption:	3	Low	Moderate	Strong	V. Strong	
WWT/POTW Stripping:	4	Extensive	Moderate	Low	Negligible	
Biodegradation Removal:	4	Unknown	High	Moderate	Negligible	
Biodegradation Destruction:		Unknown	Complete	Partial	—	
Aerobic Biodeg Ult:	4	<= Days	Weeks	Months	> Months	
Aerobic Biodeg Prim:		<= Days	Weeks	Months	> Months	
Anaerobic Biodeg Ult:	4	<= Days	Weeks	Months	> Months	
Anaerobic Biodeg Prim:		<= Days	Weeks	Months	> Months	
			Hours	Days	>= Months	

Removal ⁹⁰ in WWT/POTW (Overall): Condition		Rating Values	Rating Description				Comment
		1	2	3	4		
Hydrolysis (t1/2 at pH 7,25C) A:		<= Minutes					
Hydrolysis (t1/2 at pH 7,25C) B:		<= Minutes	Hours	Days	>= Months		
Sorption to Soils/Sediments:	1	V. Strong	Strong	Moderate	Low		
Migration to Ground Water:	1	Negligible	Slow	Moderate	Rapid		
Photolysis A, Direct:		Negligible	Slow	Moderate	Rapid		
Photolysis B, Indirect:		Negligible	Slow	Moderate	Rapid		
Atmospheric Ox A, OH:		Negligible	Slow	Moderate	Rapid		
Atmospheric Ox B, O3:		Negligible	Slow	Moderate	Rapid		
Bio Comments:							
Fate Comments:							

Ecotoxicity Values

Test organism	Test Type	Test Endpoint	Predicted	Experimental	Comments
Fish	96-h	LC50	*		
Daphnid	48-h	LC50	*		
Green Algae	96-h	EC50	*		
Fish	-	Chronic Value	*		
Daphnid	-	Chronic Value	*		
Green Algae	-	Chronic Value	*		
Ecotox Value Predictions are based on SARs for nonionic polymers;					
Comments: [REDACTED]; solid (est.) with an unknown MP (P); S = negligible (P); effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150 mg/L as CaCO ₃ ; and TOC <2.0 mg/L.					

Ecotox Factors

Factors	Most Sensitive Endpoint	Assessment Factor	CoC	Comment
Acute Aquatic (ppb):		5/10		*
Chronic Aquatic (ppb):				*

Factors	Values	Comments
SARs:	Nonionic Polymers	
SAR Class:	Nonionic Polymers-insoluble	
TSCA NCC Category?	<input type="text" value="None"/>	

<p>Recommended Testing:</p> <p>Ecotox Factors Environmental</p> <p>Comments: Hazard: Environmental hazard is relevant to whether a new chemical substance is likely to present unreasonable risks because the significance of the risk is dependent upon both the hazard (or toxicity) of the chemical substance and the extent of exposure to the substance. EPA estimated environmental hazard of this new chemical substance using hazard data on analogous chemicals. Based on hazard data on analogous chemicals, EPA concludes that this chemical substance has low environmental hazard.</p> <p>· Substance does not fall within a TSCA New Chemicals Category.</p> <p>· SAR analogs for nonionic polymers.</p> <p>· Low hazard based on an estimate of no effects at saturation.</p> <p>Environmental Risks:</p> <p>·</p> <p>Risks were not identified for ecotoxicity.</p> <p>Testing Recommendations:</p> <p>· No testing recommended.</p>

Comments/Telephone Log

Artifact	Update/Upload Time
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